

Planar Chromatography

1. REVIEWS AND BOOKS

See 262, 264, 291, 353, 355, 399, 400, 417, 457, 478, 490, 510, 514, 533, 541.

2. FUNDAMENTALS, THEORY AND GENERAL

2a. General

See 262, 273.

2b. Thermodynamics and theoretical relationships

262 Polkowska, Z., Kozłowski, E., Gorecki, T. and Namiesnik, J.: Theoretical principles of thin layer headspace analysis. *Toxicol. Environ. Chem.*, 68 (1999) 1-42; C.A., 134 (2001) 8856q - a review with 44 refs.

See also 271.

2c. Relationship between structure and chromatographic behaviour

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See also 412.

3. GENERAL TECHNIQUES

3b. Detectors and detection reagents

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See also 306.

3c. Sorbents and columns, packing procedures

267 Ghoulipour, V. and Husain, S.W.: Ion-exchanger bismuth silicate as a novel sorbent in thin layer chromatography. *Anal. Sci.*, 16 (2000) 1079-1081; C.A., 134 (2001) 50697p.

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See also 548.

3d. Quantitative analysis

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See also 280, 300, 330, 441, 449, 470, 472, 500, 512.

4. SPECIAL TECHNIQUES

4b. Computerization and modelling

273 Medic-Saric, M., Stanic, G. and Bosnjak, I.: The use of information theory and numerical taxonomy methods for evaluating the quality of thin-layer chromatographic separations of flavonoid constituents of *Matricariae flos*. *Pharmazie*, 56 (2001) 156-159.

4c. Combination with other physico-chemical techniques (MS, IR etc.)

See 264, 305, 335, 385, 400, 459, 460, 521, 534.

4g. Enantiomers, separation

See 269, 340, 409, 462.

4h. Other special techniques

See 485.

5. HYDROCARBONS AND HALOGEN DERIVATIVES

5a. *Aliphatic hydrocarbons*

- 274 Sawabe, A., Minemoto, K., Minematsu, T., Morita, M., Ouchi, S. and Okamoto, T.: Characterization of acetylenes and terpenoids isolated from *Solidago altissima* L. *Kinki Daigaku Nogaku Sogo Kenkyusho Hokoku*, 8 (2000) 81-88; *C.A.*, 134 (2001) 2615p.

See also 304, 398.

5b. *Cyclic hydrocarbons, fullerenes*

- 275 Cagniant, D., Nosyrev, I., Cebolla, V., Vela, J., Membrado, L. and Gruber, R.: Structural modifications of petroleum asphaltene by reductive alkylation investigated by TLC-FID. *Fuel*, 80 (2001, Pub. 2000) 107-115; *C.A.*, 134 (2001) 6767n.
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See also 409, 521.

5d. *Complex hydrocarbon mixtures (incl. analysis of tars, bitumens and mineral oils)*

- 279 Cebolla, V.L., Galvez, E.M., Membrado, L., Domingo, M.P., Asensio, A. and Vela, J.: Improved analysis of a gas oil using a high-performance thin-layer chromatographic system. *J. Chromatogr. Sci.*, 38 (2000) 512-514.
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See also 276, 278.

6. ALCOHOLS

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7. PHENOLS

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See also 301, 314.

8. SUBSTANCES CONTAINING HETEROCYCLIC OXYGEN

8a. *Flavonoids*

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See also 273.

8b. *Aflatoxins and other mycotoxins*

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See also 509.

8c. *Other compounds with heterocyclic oxygen (incl. tannins)*

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See also 400, 523.

9. OXO COMPOUNDS, ETHERS, EPOXIDES AND QUINONES

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See also 403, 488, 525.

10. CARBOHYDRATES

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See also 268, 333, 539, 543.

10b. Polysaccharides, mucopolysaccharides, lipopolysaccharides

- 321 Fu, M., She, G. and Xu, S.: (Isolation, purification and identification of polysaccharides from *Sargassum henslowianum* Ag.) *Zhongguo Shenghua Yaowu Zazhi*, 21, No. 2 (2000) 66-68; *C.A.*, 133 (2000) 307402m.
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See also 327, 352, 364.

10c. Glycoproteins and their constituents

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See also 458.

11. ORGANIC ACIDS AND LIPIDS

11a. Organic acids and simple esters

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- See also 304, 309, 346, 350, 363, 370, 375, 385, 398, 485, 523.
- 11b. *Prostaglandins*
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- 11c. *Lipids and their constituents*
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